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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/772,896	02/05/2004	Michael J. Stattelman		5347
7590	03/23/2006		EXAMINER	
Michael J. Stattelman 219-D N. Cottage Green Dr. Ashland, VA 23005			RENNER, CRAIG A	
			ART UNIT	PAPER NUMBER
			2627	

DATE MAILED: 03/23/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

<b>Office Action Summary</b>	<b>Application No.</b>	<b>Applicant(s)</b>	
	10/772,896	STATTELMAN, MICHAEL J.	
	<b>Examiner</b>	<b>Art Unit</b>	
	Craig A. Renner	2652	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --  
**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

#### Status

- 1) Responsive to communication(s) filed on 10 May 2004.
- 2a) This action is FINAL.                    2b) This action is non-final.
- 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

#### Disposition of Claims

- 4) Claim(s) 1 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) Claim(s) \_\_\_\_\_ is/are allowed.
- 6) Claim(s) 1 is/are rejected.
- 7) Claim(s) \_\_\_\_\_ is/are objected to.
- 8) Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

#### Application Papers

- 9) The specification is objected to by the Examiner.
- 10) The drawing(s) filed on 05 February 2004 is/are: a) accepted or b) objected to by the Examiner.  
 Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
 Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

#### Priority under 35 U.S.C. § 119

- 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) All    b) Some \* c) None of:
  1. Certified copies of the priority documents have been received.
  2. Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

#### Attachment(s)

1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)	4) <input type="checkbox"/> Interview Summary (PTO-413)
2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)	Paper No(s)/Mail Date. _____.
3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date _____.	5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)
	6) <input type="checkbox"/> Other: _____.

## **DETAILED ACTION**

### ***Drawings***

1. The drawings were received on 05 February 2004. These drawings are accepted.

### ***Specification***

2. The disclosure is objected to because of the following informalities:
  - a. In line 4 on page 1, the Provisional Application information should be updated. The Provisional Application was assigned Serial No. 60/446,398.
  - b. In line 4 on page 1, a period (i.e., ".") should be inserted after "2003".

Appropriate correction is required.

### ***Claim Rejections - 35 USC § 112***

3. The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.
4. The claim (i.e., claim 1) is rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention, and failing to define the invention in the manner required by 35 U.S.C. 112, second paragraph.

The claim (i.e., claim 1) is narrative in form and replete with indefinite and functional or operational language. The structure which goes to make up the device must be clearly and positively specified. The structure must be organized and correlated in such a manner as to present a complete operative device. Claims must be in one sentence form only. Note, for instance, the format of the claims in the patent(s) cited. Additionally, many structural elements in the claim (i.e., claim 1) are indefinite because they lack clear and/or positive antecedent basis including "the adaptation" (line 1), "the folds, ... crimps" (lines 1 and 3), "the information storage surface" (lines 1-2), "the amount of information" (line 2), "the disc" (lines 2 and 4) and "the market" (line 3).

***Claim Rejections - 35 USC § 102***

5. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

6. The claim (i.e., claim 1) is rejected under 35 U.S.C. 102(b) as being anticipated by Ogino (US 4,969,143).

Ogino teaches an optical disc (FIG. 4, for instance) having folds, creases, bends, crimps or any manipulation to an information storage surface (includes 14, for instance) thereof to increase a surface area on the optical disc (as shown in FIG. 4, for instance) thereby enabling an increase in an amount of information in various formats.

***Pertinent Prior Art***

7. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. This includes Yoshitomi et al. (US 4,839,207) and Haneda (US 4,931,336), which each individually teaches an optical disc having folds, creases, bends, crimps or any manipulation to an information storage surface thereof to increase a surface area on the optical disc.

8. In June 2004, the USPTO ceased mailing paper copies of cited U.S. patents and U.S. patent application publications with all Office actions. See "USPTO to Provide Electronic Access to Cited U.S. Patent References with Office Actions and Cease Supplying Paper Copies," 1282 O.G. 109 (May 18, 2004). Foreign patent documents and non-patent literature will continue to be provided to the applicant on paper.

All U.S. patents and U.S. patent application publications are available free of charge from the USPTO web site ([www.uspto.gov/patft/index.html](http://www.uspto.gov/patft/index.html)), for a fee from the Office of Public Records (<http://ebiz1.uspto.gov/oems25p/index.html>), and from commercial sources. Copies are also available at the Patent and Trademark Depository Libraries (PTDLs). A list of the PTDLs may be found on the USPTO web site ([www.uspto.gov/web/offices/ac/ido/ptdl/ptdlib\\_1.html](http://www.uspto.gov/web/offices/ac/ido/ptdl/ptdlib_1.html)). Additionally, a new feature in the Office's Private Patent Application Information Retrieval system (PAIR), E-Patent Reference, is available for downloading and printing of U.S. patents and U.S. patent application publications cited in U.S. Office Actions.

## STEPS TO USE THE E-PATENT REFERENCE FEATURE

Access to Private PAIR is required to utilize E-Patent Reference. If you do not already have access to Private PAIR, the Office urges practitioners and applicants not represented by a practitioner to: (1) obtain a no-cost USPTO Public Key Infrastructure (PKI) digital certificate; (2) obtain a USPTO customer number; (3) associate all of their pending and new application filings with their customer number; (4) install free software (supplied by the Office) required to access Private PAIR and the E-Patent Reference; and (5) make appropriate arrangements for Internet access.

### **Instructions for performing the 5 steps:**

**Step 1:** Full instructions for obtaining a PKI digital certificate are available at the Office's Electronic Business Center (EBC) web page ([www.uspto.gov/ebc/downloads.html](http://www.uspto.gov/ebc/downloads.html)). Note that a notarized signature will be required to obtain a digital certificate.

**Step 2:** To get a Customer Number, download and complete the Customer Number Request form, PTO-SB/125, from the USPTO web site ([www.uspto.gov/web/forms/sb0125.pdf](http://www.uspto.gov/web/forms/sb0125.pdf)). The completed form can be transmitted by facsimile to the Patent Electronic Business Center at (571) 273-0177, or mailed to the address on the form. If you are a registered attorney or agent, your registration number must be associated with your customer number. This association is accomplished by adding your registration number to the Customer Number Request form.

**Step 3:** A description of associating a customer number with the correspondence address of an application is described at the EBC Web page ([www.uspto.gov/ebc/registration\\_pair.html](http://www.uspto.gov/ebc/registration_pair.html)).

**Step 4:** The software for electronic filing is available for downloading at [www.uspto.gov/ebc](http://www.uspto.gov/ebc). Users can also contact the EFS Help Desk at (571) 272-4100 and request a copy of the software on compact disc. Users will also need Adobe Acrobat Reader, which is available through a link from the USPTO web site.

**Step 5:** Internet access will be required which applicants may obtain through a supplier of their own choice. As images of large documents must be downloaded, high-speed Internet access is recommended.

The E-Patent Reference feature is accessed using a button on the Private PAIR screen. Ordinarily all of the cited U.S. patent and U.S. patent application publication references will be available over the Internet using the Office's new E-Patent Reference feature. The size of the references to be downloaded will be displayed by E-Patent

Reference so the download time can be estimated. Applicants and registered practitioners can select to download all of the references or any combination of cited references. Selected references will be downloaded as complete documents in Portable Document Format (PDF). The downloaded documents can be viewed and printed using commercially available software, such as ADOBE® READER®. ADOBE® READER® is available free of charge from Adobe Systems Incorporated ([www.adobe.com/products/acrobat/readermain.html](http://www.adobe.com/products/acrobat/readermain.html)).

### ***Conclusion***

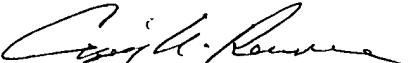
9. An examination of this application reveals that applicant is unfamiliar with patent prosecution procedure at least with respect to preparation of the claim(s). While an inventor may prosecute the application, lack of skill in this field usually acts as a liability in affording the maximum protection for the invention disclosed. Applicant is advised to secure the services of a registered patent attorney or agent to prosecute the application, since the value of a patent is largely dependent upon skilled preparation and prosecution. The Office cannot aid in selecting an attorney or agent.

A listing of registered patent attorneys and agents is available on the USPTO Internet web site <http://www.uspto.gov> in the Site Index under "Attorney and Agent Roster." Applicants may also obtain a list of registered patent attorneys and agents located in their area by writing to the Mail Stop OED, Director of the U. S. Patent and Trademark Office, PO Box 1450, Alexandria, VA 22313-1450

10. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Craig A. Renner whose telephone number is (571) 272-7580. The examiner can normally be reached on Tuesday-Friday 9:00 AM - 7:30 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Hoa T. Nguyen can be reached on (571) 272-7579. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



Craig A. Renner  
Primary Examiner  
Art Unit 2652

CAR